

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/002715

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C12N 5/08, C12N 1/00, C12N 5/00**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 5/08, 1/00, 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, Delphion, PubMed, 'Mesenchymal stem cell', 'umbilical cord blood'

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HOU, L. et al., 'Induction of umbilical cord blood mesenchymal stem cells into neuron-like cells in vitro' Int. J. Hematol., October 2003, vol.78(3), pp.256-261. See the whole document.	1-3
A	ROONEY, P. & REES, A.A., 'Blood vessels & mesenchymal cells: can they make better bone?' European Cells and Materials, June 2003, vol.5, Suppl.2, p.8. See the whole document.	1-3
A	US 6335195 B1 (KATHLEEN E. RODGERS and GERE S. DIZEREGA) 01 January 2002. See the whole document.	1-3
A	US 5486359 A (ARNOLD I. CAPLAN and STEPHEN E. HAYNESWORTH) 23 January 1996. See the whole document.	1-3
A	US 5197985 A (ARNOLD I. CAPLAN and STEPHEN E. HAYNESWORTH) 30 March 1993. See the whole document.	1-3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 FEBRUARY 2005 (16.02.2005)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/002715

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6335195 B1	01.01.2002.	WO 9926644 A1 JP 2002500624 T2 EP 0973539 A2 AU 6648598 A1	03.06.1999. 08.01.2002. 26.01.2000. 18.08.1998.
US 5486359 A	23.01.1996.	WO 9623058 A1 JP 07500001 T2 EP 0592521 A1 DE 69233029 C0 AU 4704196 A1	01.08.1996. 05.01.1995. 20.04.1994. 05.06.2003. 14.08.1996.
US 5197985 A	30.03.1993.	WO 9623058 A1 JP 07500001 T2 EP 0592521 A1 DE 69233029 C0 AU 4704196 A1	01.08.1996. 05.01.1995. 20.04.1994. 05.06.2003. 14.08.1996.